| _  |                | _           | _         | _             |          |          |  | <u> </u>      | <u>55(</u>    | JE :   | <u>SL</u> | IS  | SU       | IIN      | G            | CL           | AS           | SSI         | FIC        | A            | TIC            | )N       | 0.0                   |              | CBS)       |          |           |          |              |          |           |               | _        |              |
|--|----------------|-------------|-----------|---------------|----------|----------|--|---------------|---------------|--|-----------|---|----------|----------|--------------|--------------|--------------|-------------|------------|--------------|----------------|----------|-----------------------|--------------|------------|----------|-----------|----------|--------------|----------|-----------|---------------|----------|--------------|
| ORIGINAL   |                |             |           |               |          |          |  |               |               |  |           | ING CLASSIFICATION  CROSS REFERENCE(S)  SUBCLASS (ONE SUBCLASS PER BLOCK) |          |          |              |              |              |             |            |              |                |          |                       |              |            | $\Box$   |           |          |              |          |           |               |          |              |
| CLASS SUBCLASS                                   |                |             |           |               |          |          |  | CLASS         |               |  |           |   |          | _        | S            | UBCLAS       |              |             | S (ONE     |              |                | JBC      | LĄS                   | SF           | PEF        | ₹B       | LO        | CK       | <u>ት</u>     |          | _         | 4             |          |              |
|  |                |             |           |               |          |          |  |               |               |  |           |   |          |          |              |              |              |             |            |              |                |          |                       |              |            | 1        |           |          | İ            |          |           | 1             |          |              |
|  |                |             |           |               |          |          |  |               |               | ┞  |           |   | +        |          |              | +            |              |             | ╁          |              | $\dashv$       |          |                       | +            |            |          | 十         |          | _            | ┨        |           |               |          |              |
| INTERNATIONAL                                    |                |             |           |               |          |          |  |               | L             |  |           | $\perp$   |          |          | $\perp$      |              |              | ↓_          |            | 4            |                |          | 4                     |              |            | +        |           |          | 4            |          |           |               |          |              |
| CLASSIFICATION                                   |                |             |           |               |          |          |  |               |               |  |           |   |          | -        |              |              |              |             |            | l            |                |          |                       |              |            |          |           | $\perp$  |              |          | ╛         |               |          |              |
|  |                |             |           |               |          |          |  | 1             | _             | _  |           |   | Т        |          |              |              |              |             | Т          |              |                | Π        |                       | Ţ            |            |          |           |          |              |          |           |               |          |              |
| <u> </u>   |                |             |           |               |          |          |  | -             |               |  |           |   | ╀        |          | _            | +            |              |             | ╁          | _            |                | ╁        |                       | +            |            | _        | $\dagger$ |          |              | +        | _         | _             | 7        |              |
| /  |                |             |           |               |          |          |  |               |               |  |           |   | L        |          |              |              |              |             |            |              |                |          |                       |              |            |          |           |          |              |          |           |               | $\dashv$ |              |
| ,  |                |             |           |               |          |          |  | ı             |               |  |           |   |          |          |              | -            |              |             |            |              |                |          |                       |              |            |          |           |          |              | ᆚ        | _         |               | ╛        |              |
| <del>                                     </del> |                |             |           |               |          |          |  | ┪             |               | _  |           |   | Τ        |          |              | $\Box$       |              |             | Т          |              |                | Γ        |                       |              |            |          |           |          |              |          |           |               |          |              |
| <del></del>                                      |                |             |           |               |          |          |  | -             |               |  |           |   | ╂╌       |          |              | +            |              |             |            | · in         | ıod            |          | lec                   | ue S         | Slin       | Inc      | zide      | Fi       | le .         | laci     | ket       |               | ↰        |              |
|  |                |             |           |               |          |          |  |               |               |  |           |   | ۱,       | וחוי     | FX           | OF           | CL           | AIM         | IS         | iui ii       | 160            | 01       | 1 130                 | -            | <u> </u>   |          |           |          |              |          |           |               | _        |              |
|  | ,              |             | Ř         | $\mathcal{N}$ | Reie     | ecte     | <b>d</b> .                                       | - m           | hrou          | ıgh ı  | กนก       | nera  | d)       | Ca       | noel         | Лġ           | <u>.</u>     | -           | Ν.         |              |                | N        | lon-                  | -elec        | ted        | Α.       |           |          | ••••         | Арр      | eal       |               |          |              |
|  | <b>-</b> .     | \$          | - K       | <u> </u>      | Allo     |          |  | +             |               | ugh numeral)                                     |           |   |          |          | Restricted ' |              |              |             | l<br>Date  |              |                |          | Interference<br>Claim |              |            | O Object |           |          |              |          | ecte      | <del>80</del> |          |              |
| Claim Date                                       |                |             |           |               |          | - 7      | Claim  |               |               |  |           | बेकें।  |          |          | Date         | <del>)</del> | 7            | $\top \Box$ |            |              |                |          | T                     |              |            |          |           |          | $\Pi\Pi$     |          |           |               |          |              |
| 1  | 폍              | 9/2         | 10        |               |          |          |  |               |               |  |           | _   | jinat    | 710      | 1            |              |              |             |            |              |                |          |                       | -            | Ē          | 1        |           |          |              | -        | -         | -             |          |              |
| Final,   | Original       | 01.0156     | 2/0       | 1             |          |          |  |               |               |  |           | Final   | Original | 03/4     | 08           |              |              |             |            |              |                |          |                       | Final        | Original   | İ        |           |          |              |          |           |               |          |              |
| ۴  |                |             | 13        | 1             | Н        | Н        | Н  | Н             |               | $\dashv$   |           | Ē   | 51       | V        | 7            | _            |              | Н           | -          | ┥            | -              |          |                       | H            | 101        | +        | 一         | ┪        |              | 7        | _         | 寸             |          | 口            |
| $\vdash$   | 1              |             | -         | -             | Н        | Н        | Н  | H             | $\dashv$      | $\dashv$   |           | H   | 52       | 1        | Ť            |              |              |             |            | ╛            |                |          |                       |              | 102        | ╛        | ╛         |          |              |          | $\Box$    | $\Box$        | $\Box$   | $\square$    |
| Г  | \$             | , N         |           |               |          |          |  |               |               |  |           |   | 53       | V        | J.           |              |              |             | $\Box$     | $\Box$       | $\Box$         | $\Box$   |                       | Ц            | 103        | _        | _[        | _        | Ц            |          | 4         | 4             | ႕        | Н            |
|  | 4              |             |           | 1             |          | П        |  |               | $\Box$        | $\Box$   |           | Ĺ   | 54       | Щ        | لـــا        | $\vdash$     | <u> </u>     | Ш           | _          | 4            |                | _        |                       | Н            | 104<br>105 |          | $\dashv$  |          | Н            |          | $\dashv$  | $\dashv$      | $\dashv$ | Н            |
| <u>L</u>   | 1              |             | 1         | $\vdash$      | Ц        | Н        | Щ  | $\vdash \mid$ | -             | 4  |           | $\vdash$  | 55<br>56 | Н        | -            | -            | $\vdash$     | Н           | $\dashv$   |              | Н              | ᅱ        |                       | $\vdash$     | 106        | -        |           | -        | Н            | $\dashv$ | $\dashv$  | $\dashv$      | $\dashv$ | Н            |
| -  | 7              |             | 1         | ┝             | H        | Н        | _  | Н             | $\dashv$      |  |           | -   | 57       | Н        |              | Н            | ┢            | Н           | -          | $\dashv$     | $\neg$         | ᅥ        |                       | $\vdash$     | 107        |          | $\neg$    | ╗        |              |          | $\exists$ | I             |          |              |
| ┝  | à              |             | Н         | 十             | H        | H        | -  | Н             |               |  |           | Н   | 58       |          | Τ            |              |              |             |            |              |                |          |                       |              | 108        |          |           |          |              |          | $\square$ | $\Box$        |          |              |
| Г  | 9              | W           |           |               |          |          |  |               |               |  |           |   | 59       |          |              |              | $\Box$       |             |            |              |                |          | -                     |              | 109        |          | _         | _        |              | -        | -         | $\dashv$      | $\dashv$ | $\vdash$     |
|  | 10             |             |           |               |          |          |  |               | Ц             |  |           | L   | 60       |          | _            | _            | ⊢            | Н           |            | -            | Н              |          |                       | H            | 110<br>111 |          | $\dashv$  | -        |              | $\dashv$ | $\dashv$  | -             | $\dashv$ | Н            |
| L  |                | i           | L         | <u> </u>      | L        | Н        | L  | Н             | _             |  |           | <u> </u>  | 61<br>62 | -        | H            | ├            | -            | $\vdash$    | $\dashv$   | -            | $\dashv$       | $\dashv$ |                       | ┝            | 112        | ᅥ        |           |          | _            | $\dashv$ | 一         | $\dashv$      | Н        | H            |
| ├  | 13             |             | ⊢         | -             | $\vdash$ | Н        | <u> </u>   | Н             | $\dashv$      |  |           | ┝   | 63       | -        | ┝            | ┢            | ┢            | Н           |            | -            | $\neg$         |          |                       | ┝            | 113        |          |           |          |              |          | П         | コ             |          | П            |
| ┝  | 14             | Ш           | H         | ┢             | ╁┈       | Н        | Н  | Н             |               |  |           | 一   | 64       | Г        | _            | Г            |              |             |            |              |                |          |                       |              | 114        |          |           |          |              |          |           |               |          |              |
|  | 15             | X.          |           |               |          |          |  |               |               |  |           |   | 65       |          |              |              |              |             |            |              |                |          |                       |              | 115        |          |           |          | _            | Ц        | $\dashv$  | $\dashv$      | Н        | Н            |
|  | 15             | 11          | $\Box$    | L             |          |          |  |               |               |  |           | L   | 66<br>67 | L        | <u> </u>     | _            |              | Н           |            | _            | _              |          |                       | H            | 116<br>117 | -        |           | Н        |              | Н        | $\vdash$  | $\dashv$      | $\vdash$ | Н            |
| ۲  | 17             | 11413       | ┞.        | ┡             | -        | H        | -  | $\vdash$      | $\vdash$      | -  | 1         | -   | 68       | -        | -            | -            | ├—           | Н           | $\dashv$   | $\dashv$     | $\vdash$       | $\vdash$ |                       | -            | 118        | Н        | $\dashv$  | Н        | -            |          | Н         | $\dashv$      | Н        | H            |
| ┝  | 19             |             | $\vdash$  | ┝             | Н        | H        | ┝  | Н             | Н             | Н  |           | ┝   | 69       | $\vdash$ | $\vdash$     | $\vdash$     | -            | Н           | $\dashv$   | _            |                | -        |                       |              | 119        |          |           |          | П            |          |           |               |          |              |
| 一  | 20             | H           | H         | †             |          |          | Г  |               |               |  |           |   | 70       |          |              |              |              |             |            |              |                |          |                       |              | 120        |          |           |          |              |          |           | Ц             |          |              |
|  | 2              | II.         |           |               |          |          |  |               |               |  |           |   | 71       | L        | L            |              | L            |             |            |              | $\Box$         |          |                       | L            | 121<br>122 | Щ        | Щ         |          | _            | Н        | $\vdash$  | $\dashv$      | Ш        | Н            |
| L  | 2              |             | <u> </u>  | L             | ┡        |          | _  | L             | Н             | _  |           | L   | 72<br>73 | -        | L            | H            | <b></b>      | Н           | Н          |              | Н              |          |                       | ┝            | 123        |          | _         | _        | H            |          | Н         | Н             | $\vdash$ | Н            |
| ┝  | 23<br>24       | 以           | $\vdash$  | ╀╌            | -        | -        | ┝  | $\vdash$      | Н             |  | ł         | ├   | 74       | -        | $\vdash$     | ┝            | -            | -           | -          | _            | -              | -        |                       | <del> </del> | 124        | _        | _         | _        | $\vdash$     | Т        | П         | П             | Г        | H            |
| ┝  | 25             | X           | Ⅎ         | ╁             | ╁        | ┢        | H  | Н             | Н             | -  | 1         | _   | 75       | H        | H            | H            | -            | <b>†</b>    |            |              |                |          |                       |              | 125        |          |           |          |              |          |           |               |          |              |
| Г  | 25<br>26<br>27 | n           |           | Ĺ             |          |          |  |               |               |  | 1         |   | 76       |          |              |              |              |             |            |              |                |          |                       |              | 126        |          | Ш         |          |              |          | Ш         |               | igspace  | Ш            |
|  | 37             |             |           | L             | L        | L        |  |               | L             | L  |           | <u> </u>  | 77       | L        | L            | _            | ┡            | <u> </u>    |            |              | ļ.,            | _        |                       | $\vdash$     | 127<br>128 | -        |           | L        | <u> </u>     | _        | Н         | $\vdash$      | $\vdash$ | ├            |
| ļ  | 40             | ю.          | íi /      | 1             | -        | <u> </u> | $\vdash$   | H             | <u> </u>      | ├-   | 1         | $\vdash$  | 78<br>79 | $\vdash$ | -            | -            | $\vdash$     | -           | $\vdash$   |              | $\vdash$       | ┝╌       |                       | -            | 129        | Н        | H         | $\vdash$ | $\vdash$     | $\vdash$ | Н         | Н             | H        | <del> </del> |
| -  | <b>都</b><br>30 | M           | 6         | 4-            |          | $\vdash$ | -  | $\vdash$      | <del> -</del> | <del> </del>                                     | 1         | $\vdash$  | 80       | $\vdash$ | $\vdash$     | ╁            | $\vdash$     | Н           | H          |              | ┢┈             | Н        |                       | 一            | 130        | H        | $\vdash$  | $\vdash$ |              | ┢        | Н         |               |          |              |
| $\vdash$   | 31             | 7           | 1         | T             | +        | $\vdash$ | <del>                                     </del> |               |               |  | 1         |   | 81       |          |              | T            |              |             |            |              |                |          |                       |              | 131        |          |           |          |              |          |           |               | $\Box$   |              |
|  | 32             | $\parallel$ | $\prod$   | T             | Γ        |          |  |               |               |  | 1         |   | 82       |          |              |              |              |             |            |              |                |          |                       | 匚            | 132        | $\Box$   |           | Ĺ        | Ĺ            | oxdot    | Ш         | $\square$     | $\vdash$ | igspace      |
| Г  | 33             | I           | П         | L             | L        | $\Box$   | 匚  |               |               |  | 1         | L   | 83       | L        | L            | L            | <del> </del> | $\vdash$    | lacksquare | _            | _              | <u> </u> |                       | $\vdash$     | 133<br>134 | $\vdash$ | ļ         | <u> </u> | ⊢            | $\vdash$ | Н         | $\vdash$      | -        | -            |
| L  | 34<br>35       | 1           | Ł         | $\vdash$      |          | $\vdash$ | $\vdash$   |               | H             | -  | 1         | -   | 84<br>85 | ⊢        | $\vdash$     | $\vdash$     | $\vdash$     | -           | Н          | -            | -              | $\vdash$ |                       | -            | 135        | $\vdash$ |           | $\vdash$ | ├            | $\vdash$ | $\vdash$  | Н             | -        | H            |
| $\vdash$   | 36             | #           | Н         | +             | ┾┈       | $\vdash$ | -  | $\vdash$      | $\vdash$      | $\vdash$   | 1         | -   | 86       | $\vdash$ | $\vdash$     | $\vdash$     | +            | $\vdash$    | $\vdash$   | $\vdash$     | <del>  -</del> | -        |                       | $\vdash$     | 136        | $\vdash$ | -         | $\vdash$ |              |          |           | Н             |          | Г            |
| ┝  | 37             | ┝           | Н         | +             | $t^-$    | H        | ╁╌   | ┢             | ┢             | ┢  | 1         | Г   | 87       | T        | T            | T            | T            | T           | Н          |              |                |          |                       |              | 137        |          |           |          |              |          |           |               |          |              |
| ┢  | 38             | T           | Ħ         | T             | T        | T        |  | 1_            |               |  | 1         |   | 88       |          |              |              |              |             |            |              |                |          |                       |              | 138        |          |           |          | $\square$    |          |           |               | L        | L            |
|  | 39             | П           | I         | L             |          |          |  |               |               |  | ]         | L   | 89       | L        | L            | L            | <u> </u>     | L           | <b> </b>   |              | ļ_             | <u> </u> |                       | <u> </u>     | 139<br>140 |          | <u> </u>  | L        | L            | _        | -         | H             | <u> </u> | ⊢            |
| $\vdash$   | 40             | #           | #_        | ╀-            | $\vdash$ | -        | $\vdash$   | $\vdash$      | <u> </u>      | $\vdash$   | 1         | $\vdash$  | 90<br>91 | ⊢        | ├-           | -            | ╀            |             | -          | $\vdash$     | $\vdash$       | $\vdash$ |                       | -            | 141        | $\vdash$ | $\vdash$  | ┢        | -            | ⊢        | Н         | ⊢             | $\vdash$ | +            |
| $\vdash$   | 41<br>42       | H           | ╢         | +             | +        | ╀        | -  | ┥             | $\vdash$      | $\vdash$   | 1         | $\vdash$  | 92       | $\vdash$ | $\vdash$     | ╁            | ╁            | -           | $\vdash$   | $\vdash$     | $\vdash$       | -        | 1                     | -            | 142        | $\vdash$ | 1         | -        | <del> </del> | _        | Н         | ۲             | $\vdash$ | T            |
| $\vdash$   | 43             | H           | ╫         | +             | +        | $\vdash$ | ┢  | +             | $\vdash$      | $\vdash$   | 1         | H   | 93       | 1-       | $\vdash$     | $t^-$        | $\vdash$     | 一           |            | T            | $\vdash$       |          | 1                     |              | 143        |          |           |          |              |          |           |               |          |              |
| $\vdash$   | 44             | Ħ           | 11        | T             | T        | T        | T  | $\vdash$      |               |  | 1         | t   | 94       | L        |              |              |              |             |            |              |                |          | ]                     |              | 144        |          |           |          |              |          |           |               |          | 匚            |
|  | 45             |             | Ц         | L             |          |          |  |               |               |  | 1         | Г   | 95       |          |              |              | Г            | $\Box$      | L          | oxdot        | <u> </u>       | L        | l                     | $\vdash$     | 145        | $\vdash$ | <u> </u>  | $\vdash$ | 1            | <u> </u> | $\vdash$  | $\vdash$      | 1        |              |
| L  | 46             | Ļ           | Ш         | L             | 1        | $\vdash$ | <u> </u>   | -             | <u> </u>      | <u> </u>   | -         | $\vdash$  | 96<br>97 | $\vdash$ | -            | ⊢            | ╀            | $\vdash$    | -          | -            | $\vdash$       | -        | ł                     | -            | 146<br>147 | -        | -         | $\vdash$ | +-           | ├-       | $\vdash$  | $\vdash$      | $\vdash$ | +            |
| $\vdash$   | 47<br>48       | $\vdash$    |           | +             | +        | $\vdash$ | ┼  | $\vdash$      | <del> </del>  | -  | ł         | $\vdash$  | 98       | $\vdash$ | +            | $\vdash$     | $\vdash$     | +           | $\vdash$   | <del> </del> | $\vdash$       | 1        | 1                     | -            | 148        | -        | H         | Н        | $\vdash$     | -        | Н         | Т             | $\vdash$ | <b>†</b>     |
| -  | 49             | _           | +         | +             | †-       | +-       | t  | H             | 1             | <del>                                     </del> | 1         | $\vdash$  | 99       | _        | 1            | T            | †            | T           |            |              |                |          | 1                     | L            | 149        |          |           |          |              |          | Г         |               |          | L            |
|  | 50             |             | $\dagger$ | 4             | T        |          |  | I             |               | Г  | 1         |   | 100      |          |              |              | L            |             |            |              |                |          | ]                     |              | 150        |          |           |          | Г            |          |           | 匚             |          | 匚            |
| _  | _              | <u>. ¥</u>  |           |               |          |          | If   | mo            | ore           | the  | n.        | 150   | (cla     | im       | 5 0          | 9            | acti         | ons         | sta        | ple          | ad             | ditio    | one                   | al si        | ne t       | hei      | re        |          |              |          |           |               |          |              |